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F1G. 18



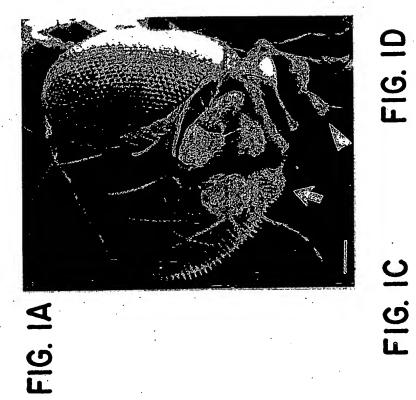
FIG. IE

FIG. IF

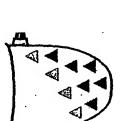


COELOCONICA

SMALL BASICONICA



F1G. 1C



TRICHODEA

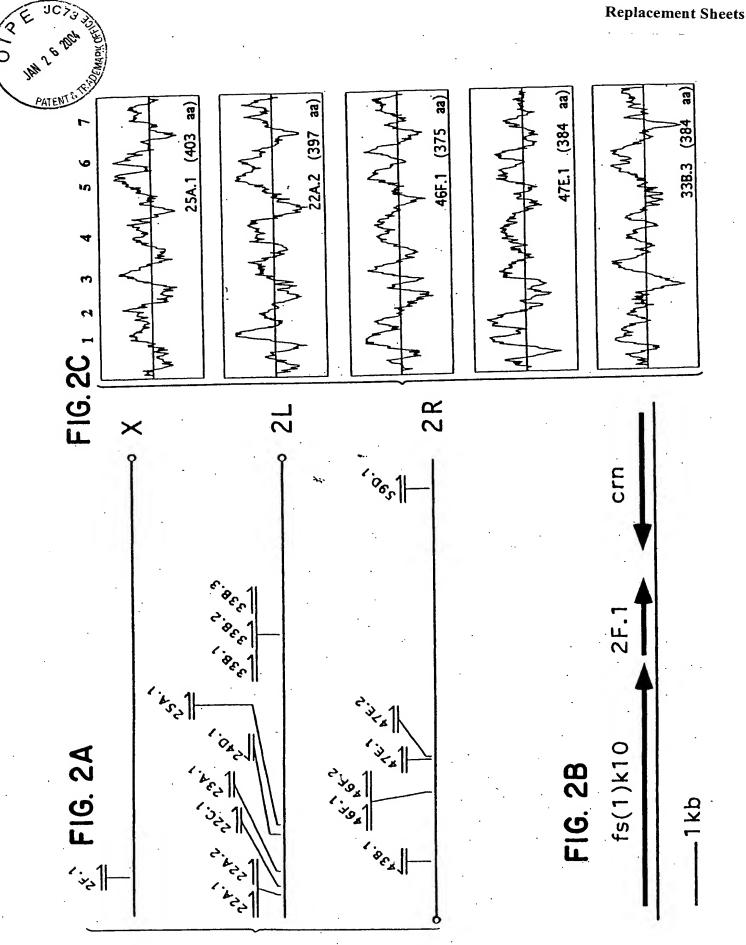




FIG. 3A

75	<i>[</i> 9	<i>L</i> 9	69	88	74	87	87	64	64	64	11	65	64	84	84
1MAEVRVDSLEFFKSHWTAWRYLGVAHFRVENWKNLYVFYSIVSNLLVTLCYPPVHLGISLFRNRTITEDILN	1	1		1		1 -MLSKFFPHIKEKPLSERVKSRDAFIYLDRVMMSFGWTEPENKRWILPYKLWLAFVNIVMLILLPISISIEYLHRFKTFSAGEFLSSU	1 - MLSOFFPHIKEKPLSERVKSRDAFVYLDRVMMSFGWTVPENKRMDLHYKLWSTFVTLLIFILLPISVSVEYIQRFKTFSAGEFLSSI	1	1	1	1MTDSG0PAIADHFYRIPRISGLIVGLWPQRIRGGGGRPWHAHLLFVFAFAMVVVGAVGEVSYGCVHLDNLVVALEAF	1MERHYFMVPKFALSLIGFYPEQKRTVLVKLWSFFNFFILTYGCYAEAYYGIHYIPINIATALDAL 65	1MTIEDIGLYGINVRMMRHLAVLYPTPGSSWRKFAFVLPVTAMNLMQFVYLLRMWGDLPAFILNM	1 MNDSGYOSNLSLLRVFLDEFRSVLRQESPGLIPRLAFYYVRAFLSLPLYRWINLFIMCNVMTIFWTMFVALPESKNVIEMGDDL	1MFGHFKLVYPAPISEPIQSRDSNAYMMETLRNSGLNLKNDFGIGRKINRVFSFTYNMVILDVSFPINYVIHLAEFPPELLLQSL
•	•														•
590.1	23A.1	338.1	338.2	33B.3	7F.1	22A.1	22A.2	47E.1	46F.1	46F.2	220.1	240.1	438.1	47E.2	25A.1



FIG. 3B

59N 1	73	TTEATCTACSVIKCI I YAYNTKNVI FMERITI RULDERNVGPEORSIYGOVRVQLRNVLYVFIGIYMPCALFAELSFLFKEE 152
236.1 236.1	2.8	CITYTSI SNI MKIECMYVANI TKMVIEVOSI II GOII DIARN'SGESOSERHRNMTEHLLRMSKLFQITYAVVFIIAAVPFVIETE 147
23R 1	3 3	HETCELI ECCYMEECERWYI KETKTIEGII OOI INRIVESEERIRNYENONPSRVARMLSKSYLVAAISAIITATVAGUFSTG 148
338 7	8 5	PITAACEFASEKETCEREKISETKETETKETETI EKELDORALSREECEFENONTRREANFINKSFIVAYGLSNISAIASVLFGGG 150
338.3	2 6	TMSI TCVACSI KHVAHI YHI POIVEI ESILI EOLDITFIASEOEHRYYRDHVHCHARRFTRCLYISFGMIYALFLFGVEVOV 148
7F.1	75	TITITOIVANUKIFANVYMVRKOLHEIIRSILLRLMDARARLVGDPEEISALRKEVNIAOGTFRTFASIFVFGTTLSCVRVVVR 155
22A.1 ·	2 &	EIGVNMYGSSFIKCAFTLIGFKKROEAKVILLDOLDKRCLSDKERSTVHRYVAMGNFFDILYHIFYSTFVVMNFPYFILE 165
22A.2	88	QIGVNMYGSSFKSYLTMMGYKKROEAKMSLDELDKRCVCDEERTIVHRHVALGNFCYIFYHIAYTSFLISNFLSFIMK 165
47E.1	65	VALLITILGLFKFSMILYLRRDFKRLIDKFRULMSNFAEOGEFFYAEILNAANKODORMCTLFRTCFLLAWALNSVLPLVRMGLSYWLA 152
46F.1	65	EVVKATETI ATSAGHTTKL-LSIKANNVOMEELIFRRIDNEEFRPRGANEELIFAAACERSRKLRDFYGALSFAALSMILIPOFALDWS 151
46F 2	ر م	FII KVFFMFATFISCMAKI - I HI KI KSRKLAGLIVDAM-LSPEFGVKSE QEMOMLELDRVAVVRMRNSYGIMSLGAASLILIVPCFD 148
226 1	88	CPGTTKAVCVIRI WVFFRSNRRWAELVORLRAILSLLLLSSGTATNAAFTLQPLIMGLYRWIVQLPGQT 146
240.1	99	MYAIWWYQDELRSITERRFYTLATOLTFLLLCC
438.1	65	TWLVIIKRROFEEFLGOLATÜFHSILDSTDEWGRGILRR
47E.2	85	I FYMHLRCOEIDELISDFEYYNRELRPHNIDEEVLGWQRLCYVIESGLYINCFCLVNFFSAAIFLQP
25A.1	. 82	QLCLNTWCFALKFFTLIVYTHRLELANKHFDELDKYCVKPAEKRKVRDMVATITRLYLTFVVVYVLYATSTLLDGLLH 162



FIG. 3C



FIG. 30

-PMAKMYFIHYDLAMPLUIIFFDCFFG 305	OILYPICATION 302	ELFPSCYYGI 304	FLFPCCY/VGT 306	OLEPSCYFAS 307	EVEVIONEGD 324	ETFPFCYLCN 318	IQITEPFCYLCN 318	OAYIYCYCGE 307	OTETICENIAG 306	• •	TOLLFLYCFGGN 306	/E1FLYCLOGS 297	(VLETTYYNRAN 308		LOTTEPLOFYCN 321
The contract of the contract o	LYDRIYMLCFLLGII VQIIYPLCMGI	NFAMLYMAVFFAAMLIELFPSCYNGI	NFAITYMGVMFLSMVLFLFPCCMMGM	TISLVYYVLVFFGVVCVQLFPSCYFAS	HTAMIISIVFFSAVTL	FWTGVATCLFMFDVSMETFPFCYLCN	LSTGVAVVLFMSCVSMOTTEPFCYLCN	OTEGVYYYASFIATIIIDAYIYCYCGE	RLELFKYNTYQACML I	AI FMLKTCIMOLVMLV	SLSGLTIYI CIYI I AALTQLFL YCFGGN		SPTQISIVMYILTMLYVLETTYYNRAN	VDPKMAAKFVLLMLVAFIDLSLWCVSGT	-OSTRFGIVIMVMAVLLDMEPACFYCN
	1		;	CIIVSYMLFFVGD	ECTROLARVHRLRETTORVLSVPCMADENCSAAVOCTVAMHFLYVADDH-DHTAMIISIVFFSAVTLEVIEVIEVIED	GLSMINLMFFST	GLSMINIMFFST	CMLGYLFSITFA	TANFYAIAVLSDE	LRECAAYYNRIVRFKDLVELFIKGPGSVOLMCSVLVLVSNLYDMSTMSIANGDAIFMLKTCIYOLVMLMOIFFIICKASN	CSTILDIMLNTS	GTSVVDILLESG	CSLLFCLNINIT	SISTFETMAAAAVC	GIIMINMVLEAD
	<u> VNCIRDONALYRLLDVTKSLVSYPMMVDFMVIGINIAITLFVLIFYVET-</u>	FEGIODHRKLMKIIRULRSTLHLSQLGOFLSSGINISITLINILFFAEN-	I ESIEDHIRKLMKIVELLIRSTMNISQLGQFISSGVNISITLVNILFFADN-	DYTE OFIKEL VRFHNEVSRTISEVOLVOLÆGCGATICIIVSYMEFFVGD-	SVPCMADFIVCSAAVO	SGTIEVOFLLIGIVL	SGTIFVOFLLIGIVL	QPIICAOFF155LQL	CKPISVOIFCSVLVL	KGPGSVOLMCSVLVIL	TVIVLMHFLSAAFVL	NVEITLAHFVTSSLII	/ANIVAVEAIIFGSII	FCRVVRFHDHIIKLVGKANRAFNGAFNA <mark>OLMASF</mark> SLISISTFETMAAAA-	<u>LNOCTIKAFIRTMLNFCDAIQPIISGTIFAQIFIICBSILLGIIMINMVLEND</u>
)NALYRLLDVTKSLV;	TRKLMKIIRLIRSTLI	TRKLMKIVELLRSTM	IKLLVRFHNLVSRTI	ARVHRLREIIORVL	TRELLIDY VOAL TRPVE	ARLILIDY VOALIRSVF	YCNDHUNDCY	HMTIVELSKTVERLL	YNRIVRFKOLVELFI	HNAIIDFCTOLLTROF	HNEVAELTERLISGUM	HTOVMRYVWOLNKLV	HOHIIKLVGKANRAF	HRTML NFCDAIQPII
	DLINCIPO	RKI I EGIDD	KOLITESITED	RI DYIEO	AWREEVYQELII ECIROLARVHRLREI I QRVLSVPCMAQFIVCSAAVQCTVAMHFLYVADDH-DI	ON LICET ROLL ROLL ROLL ROLL ROLL ROLL ROLL ROL	KELADCVRD	NKVFALIYOTSLD	QQLKENITRY	AMELRECAAY	EMNAEVRHRITAOVVER	AEEARIVREMEKLVOR	RLASCIAY	EFCRVVRF	YMFKSLIVDCIIKA
67.7	226	777	229		238		•								
90.1	3A.1	38 1	38.2	38.3		22A.1	22A.2	17E.1	46F.1	46F.2	220.1.	240.1	438.1	47E.2	25A.1



FIG. 3E

8/8)(63//	375	376	384	397	_AERFQ, 397	-AEKFQ 397	380	4N 381	S 384	377	369	GK 383	400	LDQKLSIKE 403
	ILVPIHLSTYVACWKGAMSFIFIII LMADKI	:IVGIDMSAFFATVRMANSRYTLALS	LISVEM-NOUTIVATIVSSAMMSMNRSYSRILLITEMOLTLAEVQTIKAGOMIGIGMNAFFATVRLAVSFETTAM3	SLIELNLNAFFATLKMANSLFAVVVRAK(VIALSLETFEDVMRFTVSVFTLLLRAK	SVFPISMQTNLAMVKLAFSVVTVIKQFN	SVFPISMQTNLNMVKLAFTVVTTVKQFN	FRITGY FFE EAN I LVRTAMS Y ITM LRSFS	PSLGFDLMLFSSVSSFRVLTFLCTVANF	PTFAFSLEAFGSIVNCSYSYFFALLKRVN	FFTPSLPALQILSTAGSYIFTLKTFL	FFSPSLETLTS-ILRFTGSLIALAKSVI	NVYPMTELAMFDSLLNASYSMFTTMLRGVT	DFLPFTGTYMLVLKNCYRLLALMQESM	NIFNINLATNINVAKFAFTVYAIASGMN
	QSASYRGHMLI LAERTKRMOLLLAGN	MOKRIVNRSLIILMOLTLVPIVNIKAGG	MNRSYSRITLLIFMOLTLAEVOIIKAGG	OSRDHRFDLLITFTOLTLGNRGWITKAGE	OLPKFKRELLFTLARTÖRPSLLIMAGN	ADRRIVKSTLVVIFLHNLOOPITALTAGE	ADRRIKSTLVYFLHNLOOPIIILTAGO	SLGAGGASTSICRSLLISMMRAHRG	WOYRSRRIAL LFMORLHSTLRIRLNF	INNRANRRITVILLMMORFNSPML-LSTFNF	(CDARITRKVILMILRRSORAKTIAVPI	HSVRVQKMTLLMVARADRVLTTKIPP	:AGTRFRKT [TIFLMOTOHPMETRVG	"KSPGIQRDISFVILRADKPLMYVAEI	/ODKRYORITVIOFLOKLOOPMIFTAM
	MVQESF-AELHYANFCSNIMVD(LMTMEF-DKLPYAIFSSMILKI	LISVEM-NOLTYATYSSNWMSN	EVAEEL-ERLPYAIIFSSRWYD(RMRTOS-EALCOAFYDCNWIE	MIIDDC-QEMSNCLFDSDMTS	MIMDDC-QEMADSLFDSDMTS	NLKTES-ASFEWALYDSPWHE	EVTORS-LOLPHELYKTSWVDI	EVTVOS-SRICHSIYSSOMTG	HVSESS-AAVADVLYDMEMYK	HIMEAC-SNLARSTFSSHMYG	EICLEN-NRVAEANYNVPMYE	LVYTOSVEVAQAAFDINOMHT	AIVDDC-KELAHALFHSAMWV
200	303	305	307	308	325	319	319	308	307	310	307	298	309	327	322
1.00	23A.1	38.1	33B.2	338.3	27.1	22A.1	22A.2	17E.1	46F.1	46F.2	220.1	240.1	438.1	47E.2	25A.1



FIG. 4A

FIG. 4B

B

B

FIG. 4C FIG. 4D



FIG. 5A FIG. 5C FIG. 5E

A 47E.1 C 25A.1 E 22A.2

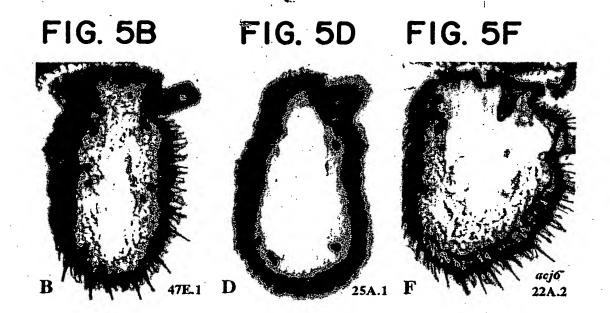
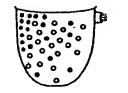


FIG. 5G



047E.1 25A.1 22A.2



FIG. 6A FIG. 6d 22A.2 FIG. 6D FIG. 6C 47E.1 93h FIG. 6F FIG. 6E OS-E